

Abstract

This invention relates to isolated polynucleotides containing at least one of the polynucleotide sequences selected from the group

- a) polynucleotide which is at least 70% identical to a polynucleotide which codes for a polypeptide containing at least one amino acid sequence of SEQ ID no. 3 or 5,
- b) polynucleotide which codes for a polypeptide which contains an amino acid sequence which is at least 70% identical to the amino acid sequence of SEQ ID no. 3 or 5,
- c) polynucleotide which is complementary to the polynucleotides of a), b) or c), and
- d) polynucleotide containing at least 15 successive bases of the polynucleotide sequences of a), b) or c).

wherein the polypeptides exhibit the biological activity of the enzymes for which the brnE or bernF (sic) gene codes and a process for the fermentative production of branched-chain L-amino acids with amplification of the stated genes.